

CDM FEDERAL PROGRAMS CORPORATION
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September 14, 1994

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SUBJECT: EPA Contract No.: 68-W9-0045
Work Assignment No.: 23-IJZZ
Trip Report
Pine Swamp
Hamden, Connecticut
CERCLIS No.: CTD980521082
TDD No.: 9305-18-ACX

DOCUMENT NO.: 7710-023-TR-BLQP

Dear Ms. Hayes:

The document referenced above is being submitted as partial fulfillment of this work assignment.
If you have any comments or questions regarding this submittal, please contact me at (617) 742-2659.

Very truly yours,

CDM FEDERAL PROGRAMS CORPORATION

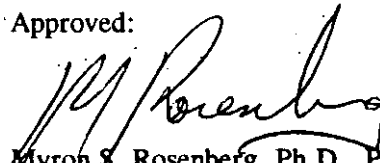


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TAT/arf

Attachment

Approved:



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Document Control File

ARCS I

**Site Inspection Prioritization
Trip Report
for
Onsite Reconnaissance and Sampling Activities**

Pine Swamp

Hamden, Connecticut

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION I
Waste Management Division
Boston, MA

Work Assignment No.: 23-1JZZ
EPA Region: I
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Document No.: 7710-023-TR-BLQP
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CDM Federal Programs Corporation (CDM) conducted an onsite reconnaissance and sampling activities on May 11, 1994 and August 23, 1994 at the Pine Swamp property in Hamden, Connecticut (see Figure 1: Site Sketch with Sampling Locations and Table 1: Sample Summary). The onsite reconnaissance was conducted on May 11, 1994 to meet with appropriate site personnel and to locate potential sampling locations. CDM's field team, consisting of Andrea Ferro (site manager) and Jay Eidson (site safety officer), met with Redding Thompson (Olin Corporation) and Ken Cichon (Malcolm Pirnie, consultant to Olin Corporation).

Activities conducted during the reconnaissance included a meeting with the site operator and a site walkover. The site team documented the site history, current site conditions, and probable flow of groundwater and surface water by recording observations in a logbook and taking photographs. The trip report, dated May 18, 1994, was submitted to EPA for the Pine Swamp property following the site reconnaissance.

On August 23, 1994, CDM conducted groundwater and sediment sampling at the site. CDM's field team present for sampling activities were Andrea Ferro (project manager), Cord Thomas (site health and safety officer), Brendan MacDonald (field team leader), and Cindy Robert (decontamination team member). The CDM field team met with Redding Thompson, Ken Cichon, Harold Moritz (Malcolm Pirnie), and Brian McCarthy (Malcolm Pirnie).

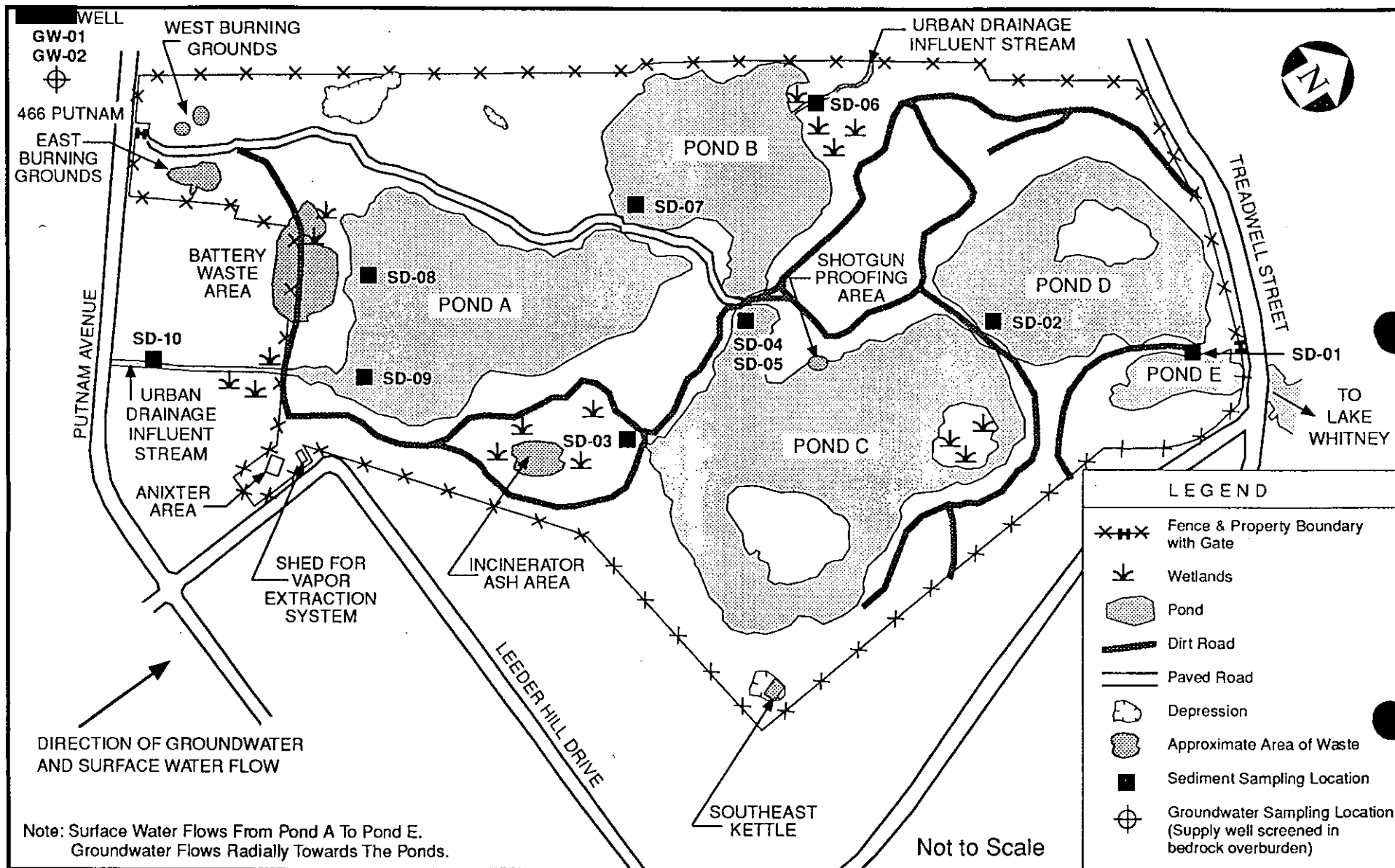
A total of 12 samples were collected, including 2 groundwater samples from the [REDACTED] well on Putnam Avenue (GW-01 and GW-02) and 10 sediment samples from the onsite ponds and urban drainage inlet streams (SD-01 through SD-10). Groundwater samples will be analyzed for VOCs by EPA Region I modified Method 524.2 and for low concentration inorganics using CDM's Delivery of Analytical Services (DAS). For the sediment samples, a Contract Laboratory Program (CLP) laboratory will perform the analysis for the full TCL/TAL, using the CLP Routine Analytical Services (RAS). Two trip blanks and one equipment blank were also collected and submitted for analysis along with the groundwater samples, sediment samples, and PE samples.

PE samples are used as a tool to evaluate laboratory analysis. Known concentrations of target compounds are prepared as a sample by a third party. The laboratory's result is then reviewed by EPA and included in the data validation process.

Samples were collected in accordance with the Task Work Plan, dated August 19, 1994, with the following exceptions: (1) sample SD-03 was collected from the upstream side of the culvert because no flow was apparant on the downstream side between the Incinerator Ash wetland area and Pond C; and (2) sample SD-06 was collected from the urban drainage inlet stream just upstream of Pond B (no source areas exist between the property boundary and the sample location).

The site safety officer was responsible for monitoring the concentration of volatile organic compounds (VOCs) in the ambient air while the field team conducted the recon and sampling activities. The instruments used to monitor concentrations of VOCs were two Organic Vapor Monitor 580B (with 10.6 and 11.7 ev lamps, respectively) checked and calibrated prior to both

activities in the parking lot of the Pine Swamp property on Putnam Avenue in Hamden, Connecticut. No VOCs were detected during the reconnaissance and sampling activities.



SITE SKETCH WITH SAMPLING LOCATIONS

PINE SWAMP HAMDEN, CONNECTICUT

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Figure 1

TABLE 1
Sample Summary: Pine Swamp
Samples collected by CDM on August 23, 1994

Sample Location No.	CDM Sample No.	Time (hrs)	Remarks	Sample Source
GW-01	DAC076 (IS,OV)	10:30	Grab	Groundwater (tap) sample collected at the [REDACTED] well at 466 Putnam Avenue, Hamden, CT
GW-02	DAC077 (IS,OV)	10:30	Grab	Duplicate of GW-01 for QC
TB-02	DAC078 (OV)	09:20	Grab	Trip Blank for DAS QC
PV822	DAC079 (OV)	08:00	Grab	DAS Performance Evaluation Sample - VOA
PM739	DAC080 (IS-Metals)	08:00	Grab	DAS Performance Evaluation Sample - Metals
PD402	DAC081 (IS-Cyanide)	08:00	Grab	DAS Performance Evaluation Sample - Cyanide
SD-01	AHS21 (O) MAGG21 (I)	10:30	Grab	Sediment sample collected from the culvert outlet to Pond E from Pond D
SD-02	AHS22 (O) MAGG22 (I)	11:00	Grab	Sediment sample collected from the culvert outlet to Pond D from Pond C
SD-03	AHS23 (O) MAGG23 (I)	13:00	Grab	Sediment sample collected from the culvert outlet to Pond C from the wetlands adjacent to the Incinerator Ash Area
SD-04	AHS24 (O) MAGG24 (I)	12:45	Grab	Sediment sample collected from the culvert outlet to Pond C from Pond B
SD-05	AHS25 (O) MAGG25 (I)	12:45	Grab	Duplicate of SD-04 for QC
SD-06	AHS26 (O) MAGG26 (I)	13:30	Grab	Sediment sample collected from the urban drainage influent stream to Pond B below the property boundary; reference sample
SD-07	AHS27 (O) MAGG27 (I)	13:30	Grab	Sediment sample collected from the culvert outlet to Pond B from Pond A
SD-08	AHS28 (O) MAGG28 (I)	15:05	Grab	Sediment sample collected from Pond A adjacent to the Battery Waste Area
SD-09	AHS29 (O) MAGG29 (I)	15:00	Grab	Sediment sample collected from where the urban drainage inlet stream meets Pond A
SD-10	AHS30 (O) MAGG30 (I)	16:00	Grab	Sediment sample collected from the urban drainage inlet stream to Pond A; reference sample

TABLE 1 (Continued)

Sample Location No.	CDM Sample No.	Time (hrs)	Remarks	Sample Source
EB-SD	AHS31 (O) MAGG31 (I)	09:30	Grab	Equipment Blank for RAS QC
0010306	AHS32 (O-VOA)	08:00	Grab	RAS Performance Evaluation Sample - VOA
0020810	AHS33 (O-BNA)	08:00	Grab	RAS Performance Evaluation Sample - BNA
0022139	AHS34 (O-P/PCB)	08:00	Grab	RAS Performance Evaluation Sample - P/PCB
TT1627	MAGG32 (I-Metals)	08:00	Grab	RAS Performance Evaluation Sample - Metals
0005945	MAGG33 (I-Cyanide)	08:00	Grab	RAS Performance Evaluation Sample - Cyanide
TB-01	AHS35 (O-VOA)	09:15	Grab	Trip Blank for RAS QC

I = Inorganic (RAS metals and cyanide analyses)

IS = Inorganic (DAS metals and cyanide analyses)

O = Organic (RAS volatile organic, semivolatile organic, and P/PCB analyses)

OV = Volatile Organics (DAS Method 524.2)

VOA = Volatile Organics

BNA = Semivolatile Organics

P/PCB = Pesticides/polychlorinated biphenyl

RAS = Routine Analytical Services

DAS = Delivery of Analytical Services

QC = Quality Control